

I. Listing of Claims

1-10. (Canceled)

11. (Currently Amended) A motor vehicle and heating and air conditioning plant comprising:

a motor vehicle defining a vehicle longitudinal axis extending fore and aft relative to the motor vehicle and including a console located generally ~~in the center~~ along the vehicle longitudinal axis of the motor vehicle;

the heating and air conditioning plant including an evaporator being a means for creating ~~to create~~ cold air and a heating heat exchanger being a means for creating ~~to create~~ warm air;

the evaporator defining an evaporator longitudinal axis extending principally upwardly relative to the motor vehicle and having a front side through which air passes into the evaporator;

the heating heat exchanger defining a heat exchanger longitudinal axis extending principally transversely relative to the motor vehicle and having a front side through which air passes into the heating heat exchanger;

the evaporator being generally vertically ~~arranged~~ oriented with the front side of the evaporator generally ~~directed~~ facing laterally transverse to the vehicle longitudinal axis, the heating heat exchanger being positioned above the evaporator and being generally horizontally arranged with the front side of the heating heat exchanger generally ~~directed~~ facing downward toward the evaporator, the evaporator being arranged such that the evaporator longitudinal axis is inclined by an angle α relative to a vertical axis, and the heating heat exchanger being arranged such that the heat exchanger longitudinal axis is inclined by the angle α relative to a horizontal axis, the angle α being in a range from greater than 0° to about 50° ; and

an air channel system defining a mixing space to mix warm and cold air and from which the mixed warm and cold air is directed to air conditioning zones to be differently tempered over air directing devices and air outlet devices, the mixing space being positioned above the evaporator and the heating heat exchanger, the air channel system being configured as a air guiding system with at least one pair of

symmetric ducts to direct the air flow to ~~left and right~~ air outlets above the heating heat exchanger; and

a separating wall being impermeable to humidity and air, the separating wall extending ~~over the width of the heating heat exchanger and~~ across at least part of the mixing space and across a length of the heating heat exchanger in the direction of the longitudinal axis.

12. (Canceled)

13. (Canceled)

14. (Previously Presented) The motor vehicle and heating and air conditioning plant of claim 11 wherein longitudinal axes of the evaporator and the heating heat exchanger are orthogonal to each other.

15. (Previously Presented) The motor vehicle and heating and air conditioning plant of claim 11 wherein the evaporator is located generally forward of the heating heat exchanger in the vehicle.

16. (Currently Amended) The motor vehicle and heating and air conditioning plant of claim 11 wherein the center console ~~in a foot region in the z-y plane~~ is configured concave on both driver and front-seat passenger sides of the motor vehicle.

17. (Currently Amended) The motor vehicle and heating and air conditioning plant of claim 11 wherein the mixing chamber includes portions defining two symmetric directing channels with cross-sections reducing and subsequently enlarging in the direction of air flow.

18. (Currently Amended) The motor vehicle and heating and air conditioning plant of claim 11 wherein the ducts ~~for the left and right air flows~~ include bends defined therein that change of the flow direction of ~~[[he]]~~ the air received

thereby by about 90° and directs the airflows in a direction generally parallel to air flow through the evaporator.

19. (Previously Presented) The motor vehicle and heating and air conditioning plant of claim 11 wherein the ducts each are comprised of two trapezoidal shaped portions connected one to the other such that the largest section area of each trapezoidal portion is located at the beginning and at the end of the ducts.

20. (Previously Presented and Withdrawn) The motor vehicle and heating and air conditioning plant of claim 11 wherein said heating and air conditioning plant is configured to function as a one-zone air conditioning unit through connection of the left and right air flaps.

21. (New) The motor vehicle and heating and air conditioning plant of claim 11 wherein the evaporator is located laterally offset of the vehicle longitudinal axis.